



SCDM 2016 INDIA CONFERENCE

9 - 10 December, 2016 | Hyderabad



Case Study 1

'Reducing SDV
doesn't work!'
(Therefore RBM
doesn't work)'



What was the expectation?



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Saved CRA costs

Saved traveling and logistics costs

Quicker trial timelines and saved site costs

Simplified process flow

Less rigidly controlled sites

Desired Effect

- ✓ Quicker timelines
- ✓ Cost savings
- ✓ Happier sites



What was the actual result?



More incorrect data in the clinical database.

More queries and delays in query responses

Overall milestone delays

Increased pressure on site

Frustration at sites over increased amount of work and sponsor complaints regarding site deficiencies

Overall Effect

- Decreased trial efficiency
- Higher costs
- Greater stress

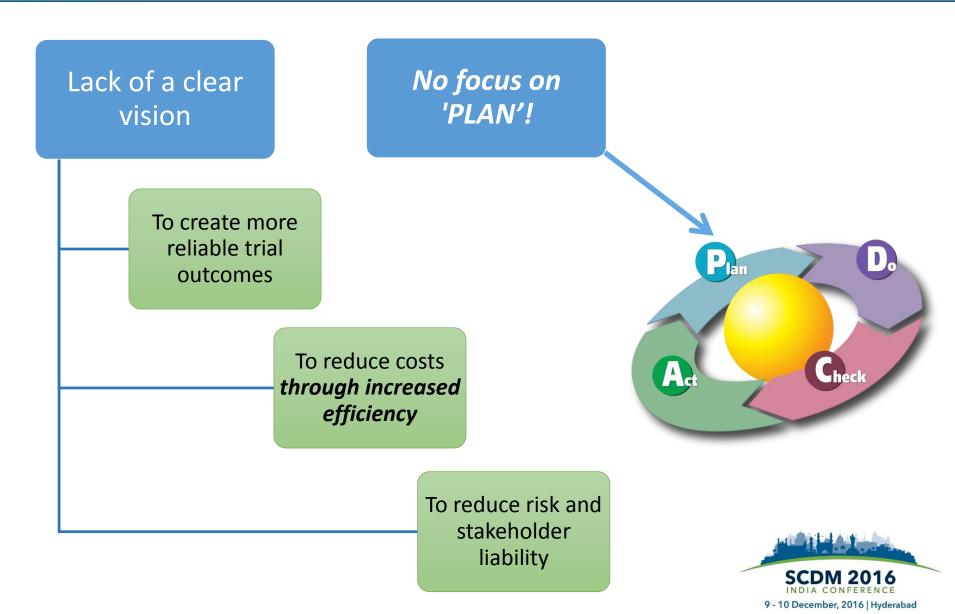




So what went wrong?



Lack of a scientific, process driven approach



Ok. But what does 'PLAN' mean?



• The only way to extract the value RBM offers:

• The only way to save time and money:

• The only way to ensure higher quality data:

• The only way to make sure a good molecule makes it to the market:

• The only way to move forward:



How do you conduct a Risk Assessment?



The easiest way is to start with a checklist





Risk Parameter	Risk Assessor Response	Please add comments/important information	Overall Risk Based on IPD worksheet(1-5) 1 – Low 3 – Significant 5 – Critical	
Is the site new?Y/N	No		Answer all bullet points below	
For sites used before, rate past pe	rformance from 1-10 :			
Adherence to data entry timelines (comment specifically on AEs and SAEs)	8		2	
Number of queries	-	Metrics not available	No rating	
Average query TAT	7		2	
Quality Issues previously reported for the site	5		3	
Are site staff familiar with policies and SOPs?	No	Due for training by CRA before enrolment	3	
Has a protocol training been conducted by sponsor or Clin Ops?	Yes		Go to next question	
If so, Is a training evaluation available?	No 15/25 = Risk rating 60%. Moderate - SDV plan 2			

Risk Parameter	Risk Assessor Response	Please add comments/important information	Overall Risk Based on IPD worksheet(1-5) 1 – Low 3 – Significant 5 – Critical
Is the site new?	Yes		5
Y/N			
For sites used before, rate past pe	rformance from 1-10 :	NA	
Adherence to timelines	-		
Number of queries	-		
Average query TAT	-		
Quality Issues previously reported for the site	-		
Are site staff familiar with	No	Due for training by CRA before	3
policies and SOPs?		enrolment	
Has a protocol training been	Yes		Go to next question
conducted by sponsor or Clin			
Ops?			
If so, Is a training evaluation	No		5
available? 13/15 = Risk rating 86.67%. High - SDV plan 1			

Snapshot of RACT criteria



Catego	ry Category	Objective	Questions for Discussion	Considerations	Impact	Probability	Detectability	Total Category Risk
Numb		Objective	Questions for Discussion	Considerations	•	•		
Numb	er .				3 point scale	3 point scale	3 point scale	Score
	_	_	_	_	. ·		(blue line = category	
	Y	Y			summary) 🔻	summary) 🔻	summary) 🔻	
4.4	Subject Population		How specific are the eligibility criteria?	Consider ability to document				#N/A
				requirements/verify inclusion/exclusion				
				criteria. Consider stratification based on				
				subject population. What is required in terms				
				of documentation for diagnosis? Consider				
				clarity on central vs. local lab results being				
				acceptable for inclusion/exclusion ranges.				
				, ,				
4.5	Subject Population		Will subjects be allowed to be rescreened if	Consider situations to allow rescreening.				#N/A
	ous jeet i oparation		they do not pass all eligibility criteria?	Consider ways to track subjects that are				,,,,,,
			they do not pass an engionity criteria:	rescreened.				
				rescreened.				



Case Study 2

'A much needed molecule may never reach the market simply because trial risks went undetected.'



What was the problem with the trial?



Database not designed to capture information necessary for end point analysis

Primary End Point:



Best Overall Response

What is required to calculate Best Overall Response:



Target Lesions, Non-target lesions, new lesions

What the CRF was designed to capture:



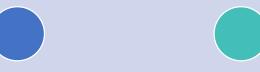
Target lesions, New lesions

What went wrong?



Formal protocol review? *Not planned*

Expert review before database launch? Not planned





QC check for database design as per protocol?

Not planned

Periodic/interim review of datasets to assess end points? Not planned



No QA processes built in at the PLANNING stage



What does QA have to do with RBM anyway?

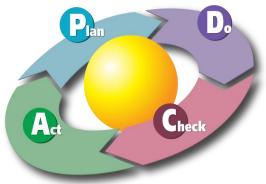


Quality Assurance

- **Objective:** Lessen chances of deviations from the set standard.
- **Methodology:** Systemization. Step-by-step approach.
- Focus: Plan, Check, ACT
- **Expected outcome:** Achievement of set standard

Risk Based Monitoring

- **Objective:** Identify 'effect of uncertainty on objectives'
- Methodology: Risk identification, analysis, evaluation, mitigation
- Focus: Plan, Check, ACT
- Expected outcome: Achievement of objectives despite uncertainty



RBM uses the Cycle of Continual improvement to assure the quality of trial outcomes.



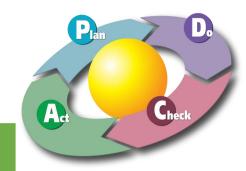
A case of informal, unstructured RBM





No formal risk assessment PLAN.

No identification of critical data.





NO CHECKS (other than audit), therefore no ACT.

9 months into the 30-month trial, this discrepancy was highlighted during the internal audit, allowing corrective action to be taken, at great energy, rework and cost, but in time to ensure the trial was not completely wasted.





Case Study 3

Using technology to support risk monitoring



Monitoring for Risk Identification



A quarterly Risk Assessment review aimed at determining data authenticity indicated inaccurate data entry might be at play.

The database was set up to visualize how many times Query X had been answered by a data amendment rather than a response/explanation.

17 instances.

Query X raised across 6 sites.

Site 3 had data point amendments 100% of the time.



Monitoring for Risk Identification

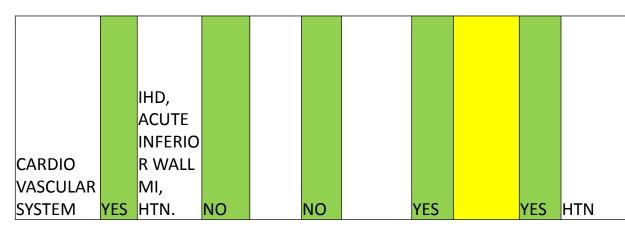


CLINICAL EXAMINATION				
Any abnormal finding (s) present?				
	Values/Findings	Comments		
PULSE (BEATS/MIN)	80-82			
BLOOD PRESSURE SYSTOLIC (MM/H	110			
BLOOD PRESSURE DIASTOLIC (MM/H	70			
RESPIRATORY RATE (PER MIN)	19-20			
CARDIOVASCULAR SYSTEM	NO			
RESPIRATORY SYSTEM	NO			



Monitoring for Risk Identification





Please refer to the cell with data in bold: Original data on the CRF was 'Yes'. Upon querying, 'Yes' was changed to 'No' within the database. However, subsequent visit is again marked as 'Yes'. This is being highlighted to the sponsor from a risk management perspective.



The power of RBM to ensure authentic data



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The Project Status Update for the fortnight indicated this as a risk to the sponsor.

Further, the DM team raised queries asking for reconfirmation of data changes for all instances.

Monitoring indicated that, two months later, Site 3 had fallen in line with the other 5 sites.



For a successful RBM methodology

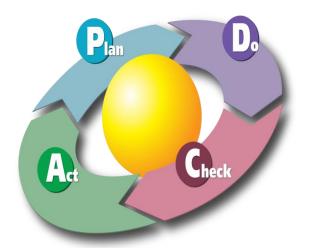


PLAN

• A formal risk assessment and risk mitigation document needs to form the basis of all RBM strategies and actions you decide to adopt. **Identify critical data.**

CHECK

 Monitor regularly, for implementation against the plan, as well as for currency of the plan.



RBM is a dynamic process. Information review and recourse is essential to fully extracting its true value.



For a successful RBM methodology



RBM depends on smart technology AND smart people

 One in isolation of the other and you may not see the same degree of reliable data that allows effective drugs to alleviate the suffering they otherwise could.

RBM is a process for fact based decision making

• If it not working for you, look to see what you might not have got right just yet.



Is your RBM methodology SMART enough to succeed?





Do you use automation and visualization to keep your risk assessment *current?*

